

# **IHE Routes to EC registration**

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## This document summarises

- The Entry requirements for Engineering Council Registration
- The professional review
  - Standard route
  - Further learning options
  - Technical report option
- The IHE documents you will need to consult

**For Chartered Engineer, Incorporated Engineer and Engineering Technician**

## Introduction

To gain the accolade of Engineering Council registration, engineers and technicians prove their competence and commitment at a professional review.

To qualify for the review you need academic qualifications plus initial professional development or training and to hold a responsible position commensurate with the grade you are aiming for. For the Review, you put together a submission demonstrating that you meet the Engineering Council's registration standards then, for CEng and IEng, you present your work at an interview with two IHE Fellows.

## Entry Requirements

	<b>Engineering Technician</b>	<b>Incorporated Engineer</b>	<b>Chartered Engineer</b>
<b>Benchmark academic requirements for entry to the standard review</b>	National Certificate or Diploma in Engineering.  Approved NVQ3, ONC or HNC in Engineering	BSc in Engineering or Technology.  HND, HNC in Engineering normally started before 1999.	BEng (Hons) + Masters degree. MEng. Accredited BEng (Hons) or BSc (Hons) normally started before 1999.
<b>Competence level</b>	Apply proven techniques to solve problems.  Supervise works or people	Practical engineers delivering existing technology.  Manage projects or schemes	Develop and apply new technologies or concepts. Innovative and creative. Provide technical and commercial leadership.
<b>Other entry points to standard route</b>	MANCAT Road Safety, Bath HOT, C&G in Traffic Engineering <b>plus</b> experience.	HND/FD in engineering started after 1999 <i>or</i> BSc (Hons) in Cognate discipline <b>plus</b> further learning at work.	BSc (Hons) in Engineering <i>or</i> Cognate discipline <i>or</i> senior IEng <b>plus</b> technical MSc <i>or</i> further learning at work.
	<b>Or</b> Individual Route with Interview	<b>Or</b> Technical report option	<b>Or</b> Technical report option



We recognise that engineers come from a wide variety of backgrounds.

Ask IHE for an **individual assessment** if your qualifications are not listed. Email certified copies of your certificates, a list of modules or units, brief details of any dissertation or projects and a CV, to [secretary@ihie.org.uk](mailto:secretary@ihie.org.uk). Either you will receive a swift answer or we will refer you to the Academic Standards Panel for a decision within 4/6 weeks.

We are always happy to give informal advice by telephone or email.

## What is the professional review 2010?

### For CEng and IEng

If your qualifications meet the benchmark standard, or if you can prove equivalence through Further Learning (see below), you follow the '**standard route**', working with a mentor. On IHE's Professional Development Forms give a succinct description of how you meet each of 16 Engineering Council statements of competence and commitment and compile a portfolio of matching documentary evidence. Submit these and the other paperwork, together with a one page summary of one or two projects you will present at interview. You will also need 10 or 7 CPD days off-the-job education and training in the two years before submitting and to provide a professional development plan showing five days a year of structured development. Two Chartered or Incorporated Engineers will assess your portfolio. You receive a copy of their initial assessment then present your selected projects at a review with them.

If you do not meet the required academic entry qualifications, or if you have no qualifications and you potentially meet the competence criteria for CEng or IEng, you may apply to follow the **Technical Report** option. This allows you to show, through a technical report, that you have sufficient engineering knowledge at Masters or degree level. The extent of the report and of the years of experience you need depend on the gap between your qualifications and the benchmark level, i.e. for IEng an HNC graduate will have more to prove than a physics graduate. Your engineering knowledge is tested at interview and immediately afterwards there's a professional review interview covering managerial and professional issues, based on one or two recent projects as described above. IHE offers support throughout your review preparation. For instance, you are asked to give us a summary of your intended report for clearance before starting to write.

You can top up an initial qualification which falls marginally short of the benchmark (see below) by demonstrating in a **Further Learning** report that your learning at work, or at college, or by a combination of both, meets the 'learning outcomes' of the benchmark qualification. The Academic Standards Panel reviews the report and may call you for an interview to defend the submission. Once successful you can proceed with the standard review route.

	<b>Incorporated Engineer</b>	<b>Chartered Engineer</b>
<b>The Further Learning option can only be used if you have:</b>	HND started $\geq$ 1999. Cognate degree. Foundation degree. Equivalent qualifications.	BEng (Hons) started $\geq$ 1999. BSc (Hons) in engineering or science started $\geq$ 1999. Senior IEng

**To start the Technical Report or Further Learning option, ask for an individual assessment as described above.**

We may be able to give HN graduates going for IEng with a Technical Report additional support thanks to a partnership with Gates MacBain: ask for details.

Please call 020 7436 7487 or email [membership@ihie.org.uk](mailto:membership@ihie.org.uk) with any queries, we will be pleased to help.



## A Summary of your routes to CEng and IEng

<b>Standard Route</b>	<ul style="list-style-type: none"> <li>Professional Development Forms (16)</li> <li>Supporting documents</li> <li>Summary of Review presentation</li> <li>CV, job description</li> <li>CPD records and plans</li> </ul>	<ul style="list-style-type: none"> <li>IHE checks</li> <li>You send copies to Reviewers</li> <li>You receive Reviewers' Initial Assessment</li> <li>IHE makes review arrangements when initial assessment successful</li> </ul>	Chartered review Or Incorporated review	<b>Chartered Engineer or Incorporated Engineer</b>
<b>Technical Report Option</b>	Seek clearance from IHE <ul style="list-style-type: none"> <li>Technical Report</li> <li>Review submission as for Standard Route</li> </ul>		Technical report interview + Chartered review Or Incorporated review	

### For EngTech

The **Technician Professional Review** does not normally include an interview. Instead your paper submission, based round the Professional Development Forms, is assessed by a Reviewer.

If you don't have a 'level 3' qualification you can use the **Individual Route**. This has similar paperwork to the standard Review but there will be a local interview where you can explain more about your work and demonstrate your engineering knowledge. This route is also open to technicians who have lots of experience but no or few academic qualifications

## Who else is getting EC Registration?

*'When you are ready to step up, IHE has the experience to help'*

John Nightingale, JCT, Reviewer



*'I have been a member of IHE for over twenty years and they helped me progress first to IEng then to CEng which enabled me to gain a new post with the Welsh Assembly Government'*

Ian Bradfield, Route Manager for Trunk Roads Wales



*'The technical report option opened up CEng for me, allowing me to use my technical and management experience and DfT's UG405 project to meet the Engineering Council's standards'*

Adrian Gray, Principal Engineer, ITS, Hants CC



## Documents you will need

	Technician	Incorporated Engineer	Chartered Engineer
Professional Review Procedures	ET2	IE2	CE2
EC Standards of Competence	ET3	IE3	CE3
Other Routes (eg Technical Report Option) <i>Only if applicable</i>		IE4	CE4
<b>Essential Forms: all routes</b>			
IHE Application or Transfer Form			
IHE Subscription Form			
Professional Development Forms			
Employer Proposer Form 301			
<b>Advice leaflets you should read: all routes</b>			
Continuing Professional Development (with CPD forms)	Document B	Document B	Document B
Mentoring Good Practice	Document C	Document C	Document C
The Rough Guide to Review		Document D	
The Rough Guide for NVQ3 to EngTech	Document D/NVQ		
<b>Optional Forms: all routes</b>			
List of Documents Matrix			
Mentoring Agreement			
Action Planning Form 208			
Witness Testimony Form 205			
Training/IPD Record Form 206		<i>For trainees only</i>	
Line Manager Record Form 207		<i>For trainees only</i>	
CPD Records & Plans – Forms B01, B02, B03, B04			
EngTech: Individual Route	Form ET4		